WHAT IS CLAIMED IS:

1. A method for repositioning teeth in a patient, said method comprising:

applying force to at least one tooth in a jaw of the patient, and

administering a tissue remodeling and/or an angiogenic substance(s) to the patient to promote remodeling of periodontal tissue surrounding a root of the tooth.

2. A method as in claim 1, wherein the substance(s) comprises relaxin or an analog or mimetic thereof.

3. A method as in claim 1 wherein the substance(s) comprises an substance(s) selected from the group consisting of VEGF, bFGF, estrogen, nitrous oxide, naltrexone, and collagenase.

4. A method as in claim 3, wherein the substance(s) further comprise relaxin or an analog or mimetic thereof.

5. A method as in claim 1, wherein administering the substance(s) comprises administering the substance(s) before the force is applied.

6. A method as in claim 1, wherein administering the substance(s) comprises administering the substance(s) while the force is being applied.

7. A method as in claim 1, wherein administering the substance(s) comprises administering the substance(s) after the force has been applied.

8. A method as in claim 1, wherein applying force comprises providing the patient with a removable appliance.

9. A method as in claim 8, wherein the removable appliance comprises a reservoir which releases the substance(s) to the gingiva of the patient.

10. A method as in claim 8, wherein the removable appliance is selected from the group consisting of positioners, aligners, and retainers.

11. A method as in claim 1, wherein applying force comprises adjusting wire and bracket appliances on the teeth.

12. A method as in claim 1, wherein applying force comprises positioning an appliance between one or more anchor teeth and one or more target teeth to be moved.

13. A method as in claim 12, wherein the substance(s) is preferentially applied to the periodontal tissue surrounding the one or more target teeth while the force is being applied to said target teeth.

14. A method as in claim 1, wherein administering the substance(s) comprises administering the substance(s) systemically.

15. A method as in claim 1, wherein administering the substance(s) comprises administering the substance(s) locally to the tissue surrounding the root of the tooth.

16. A method as in claim 15, wherein administering the substance(s) locally comprises topical delivery of the substance(s) on the gingiva near the tooth.

17. A method as in claim 15, wherein topical delivery comprises releasing the substance(s) from a controlled release device engaged against the gingiva.

18. A method as in claim 15, wherein topical delivery comprises spreading a fluid substance(s) over the gingiva.

19. A method as in claim 15, wherein administering the substance(s) comprises injecting the substance(s) into the tissue surrounding the root.

20. A method as in claim 1, further comprising applying an electric current to the periodontal tissue surrounding the root.

21. A method as in claim 20, wherein the applied current has a current density in the range from 0.5 $\mu A/mm^2$ to 6 $\mu A/mm^2$.

22. An improved orthodontic treatment method of the type wherein force is applied to at least one tooth in a patient jaw to reposition said tooth, wherein the improvement comprises administering a tissue remodeling and/or an angiogenic substance(s) to the patient before, during, or after the force has been applied.

23. An improved method as in claim 22, wherein the substance(s) comprises relaxin or an analog or mimetic thereof.

24. An improved method as in claim 22, wherein the substance(s) comprises a substance(s) comprises relaxin or an analog or mimetic thereof.

25. An improved method as in claim 24, wherein the substance(s) further comprise relaxin or an analog or mimetic thereof.

26. An improved method as in claim 22, wherein administering the substance(s) comprises administering the substance(s) before the force is applied.

27. An improved method as in claim 22, wherein administering the substance(s) comprises administering the substance(s) while the force is being applied.

28. An improved method as in claim 22, wherein administering the substance(s) comprises administering the substance(s) after the force has been applied.

29. A method as in claim 22, wherein applying force comprises providing the patient with a removable appliance.

30. A method as in claim 29, wherein the removable appliance comprises a reservoir which releases the substance(s) to the gingiva of the patient.

31. A method as in claim 29, wherein the removable appliance is selected from the group consisting of positioners, aligners, and retainers.

32. A method as in claim 22, wherein applying force comprises adjusting wire and bracket appliances on the teeth.

33. An improved method as in claim 22, wherein applying force comprises positioning an appliance between one or more anchor teeth and one or more target teeth to be moved.

34. An improved method as in claim 33, wherein the substance(s) is preferentially applied to the periodontal tissue surrounding the one or more target teeth while the force is being applied to said target teeth.

35. An improved method as in claim 22, wherein administering the substance(s) comprises administering the substance(s) systemically.

36. An improved method as in claim 22, wherein administering the substance(s) comprises administering the substance(s) locally to the tissue surrounding the root of the tooth.

37. An improved method as in claim 36, wherein administering the substance(s) locally comprises topical delivery of the substance(s) on the gingiva near the tooth.

38. An improved method as in claim 36, wherein topical delivery comprises releasing the substance(s) from a controlled release device engaged against the gingiva.

39. An improved method as in claim 36, wherein topical delivery comprises spreading a fluid substance(s) over the gingiva.

40. An improved method as in claim 36, wherein administering the substance(s) comprises injecting the substance(s) into the tissue surrounding the root.

41. A method as in claim 22, further comprising applying an electric current to the periodontal tissue surrounding the root.

42. A method as in claim 41, wherein the applied current has a current density in the range from 0.5 $\mu A/mm^2$ to 6 $\mu A/mm^2$.

43. An oral substance(s) delivery appliance comprising:

a structure mountable on or over at least a portion of a patient's gingiva; and

a tissue remodeling and/or an angiogenic substance(s) carried by the structure so that said substance(s) is released into at least a region of the gingiva when the structure is mounted on or over the gingiva.

44. An oral delivery appliance as in claim 43, wherein the structure mounts over the gingiva of an entire jaw.

45. An oral delivery appliance as in claim 43, wherein the structure mounts over the gingiva of less than the entire jaw.

46. An oral delivery appliance as in claim 45, wherein the structure mounts over the gingiva adjacent the roots of from one to five individual teeth.

47. An oral delivery appliance as in claim 43, wherein the structure comprises a patch.

48. An oral delivery appliance as in claim 43, wherein the structure comprises a shell which is removably placeable over the teeth.

49. An oral delivery structure as in claim 43, wherein the structure comprises a porous structure which releases the substance(s) at a controlled rate over time.

50. An oral delivery structure as to claim 43, wherein the substance(s) is present in a matrix which degrades over time in the oral environment.

51. A topical oral composition, said composition comprising:
a carrier which may be topically applied to a patient's gingiva, and
a tissue remodeling and/or an angiogenic substance(s) in the carrier, wherein the substance(s) releases into gingival tissue when the composition is topically applied to the gingiva.

52. A topical oral composition as in claim 49, wherein the carrier is a gel.

53. A topical oral composition as in claim 49, wherein the substance(s) comprises relaxin or an analog or mimetic thereof.

54. A topical oral composition as in claim 49, wherein the substance(s) comprises an angiogenic substance(s) selected from the group consisting of VEGF, bFGF, estrogen, nitrous oxide and naltrexone.

55. A topical oral composition as in claim 49, wherein the substance(s) further comprise relaxin, a mimetic or an analog thereof.

56. A method for enhancing tooth mobility or stability, said method comprising administering a tissue remodeling and/or angiogenic substance(s) to a living host.

57. A method as in claim 56, wherein the host will be having, is having, or has had orthodontic treatment.

58. A method as in claim 56, wherein the substance(s) comprises relaxin or an analog or mimetic thereof.

59. A method as in claim 56, wherein the substance(s) comprises an angiogenic substance(s) selected from the group consisting of VEGF, bFGF, estrogen, nitrous oxide and naltrexone.

60. A method as in claim 54, wherein the substance(s) further comprise relaxin or an analog or mimetic thereof.

61. A method as in claim 56, wherein administering the substance(s) comprises administering the substance(s) before the force is applied.

62. A method as in claim 56, wherein administering the substance(s) comprises administering the substance(s) while the force is being applied.

63. A method as in claim 56, wherein administering the substance(s) comprises administering the substance(s) after the force has been applied.

64. A method as in claim 56, wherein applying force comprises providing the patient with a removable appliance.

65. A method as in claim 64, wherein the removable appliance comprises a reservoir which releases the substance(s) to the gingiva of the patient.

66. A method as in claim 64, wherein the removable appliance is selected from the group consisting of positioners, aligners, and retainers.

67. A method as in claim 56, wherein applying force comprises adjusting wire and bracket appliances on the teeth.

68. A method as in claim 56, wherein applying force comprises positioning an appliance between one or more anchor teeth and one or more target teeth to be moved.

69. A method as in claim 68, wherein the substance(s) is preferentially applied to the periodontal tissue surrounding the one or more target teeth while the force is being applied to said target teeth.

70. A method as in claim 56, wherein administering the substance(s) comprises administering the substance(s) systemically.

71. A method as in claim 56, wherein administering the substance(s) comprises administering the substance(s) locally to the tissue surrounding the root of the tooth.

72. A method as in claim 71, wherein administering the substance(s) locally comprises topical delivery of the substance(s) on the gingiva near the tooth.

73. A method as in claim 71, wherein topical delivery comprises releasing the substance(s) from a controlled release device engaged against the gingiva.

74. A method as in claim 71, wherein topical delivery comprises spreading a fluid substance(s) over the gingiva.

75. A method as in claim 71, wherein administering the substance(s) comprises injecting the substance(s) into the tissue surrounding the root.

76. A method as in claim 56, further comprising applying an electric current to the periodontal tissue surrounding the root.

77. A method as in claim 76, wherein the applied current has a current density in the range from 0.5 $\mu A/mm^2$ to 6 $\mu A/mm^2$.

78. Relaxin or an analog or mimetic thereof for use in the manufacture of a composition for topical delivery to the gingiva to promote tooth mobility and/or stability.